



KENT KRESA

Kent Kresa is chairman emeritus of Northrop Grumman Corporation. He was chairman of the board from September 1990 until October 2003 and served as chief executive officer from January 1990 until March 2003, and president from 1987 until September 2001.

Before joining Northrop, Kresa served with the Defense Advanced Research Projects Agency in the Department of Defense, and from 1961 to 1968 he was associated with the MIT Lincoln Laboratory.

Kresa serves on numerous corporate and institutional boards. He is a member of the National Academy of Engineering; a past chairman of the board of governors of the Aerospace Industries Association; and an honorary fellow, and also a past president, of the American Institute of Aeronautics and Astronautics. He has been a trustee of Caltech since 1995.

Kresa serves on the boards of Avery Dennison Corporation; Eclipse Aviation Corporation; Fluor Corporation; General Motors Corporation; MannKind Corporation; Trust Company of the West; and several non-profit organizations and universities. He is a senior advisor for The Carlyle Group.

Mr. Kresa's prestigious awards for leadership include: the International von Kármán Wings Award; the California Institute of Technology's Management Association Excellence in Management Award; the California Manufacturers and Technology Association Award for Manufacturer of the Century; California Museum of Science and Industry and the California Museum Foundation Award for the California Industrialist of the Year; the Ellis Island Medal of Honor; the Howard Hughes Memorial Award for contributions to the advancement of aviation and space technology; selection by *Business Week* magazine as one of the nation's Top 25 managers for 2001; *Forbes* magazine's "Company of the Year" recognition in December 2002; and *Aviation Week* magazine's 2002 Laurel Citation for achievements in aeronautics/propulsion.

He is a graduate of M.I.T., where he received a B.S. in 1959, an M.S. in 1961, and an E.A.A. in 1966, all in aeronautics and astronautics.